

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/566,593
Source: IFWP
Date Processed by STIC: 06/08/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/08/2006

PATENT APPLICATION: US/10/566,593

TIME: 09:56:07

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\06082006\J566593.raw

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3 <110> APPLICANT: NISHIMURA, Asuka
4     MATSUOKA, Makoto
5     ASHIKARI, Motoyoki
7 <120> TITLE OF INVENTION: GENES THAT CONFER REGENERATION ABILITY
8     TO PLANTS AND USES THEREOF (AS AMENDED)
10 <130> FILE REFERENCE: SHZ-028US
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/566,593
C--> 12 <141> CURRENT FILING DATE: 2006-01-31
12 <150> PRIOR APPLICATION NUMBER: US 60/491837
13 <151> PRIOR FILING DATE: 2003-07-31
15 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/011307
16 <151> PRIOR FILING DATE: 2004-07-30
18 <160> NUMBER OF SEQ ID NOS: 6
20 <170> SOFTWARE: PatentIn version 3.1
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23 <211> LENGTH: 12161
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57 <220> FEATURE:

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102 aaaacgggcg gtcgaaacac gttttcgcag gcaggcaaac ctccacatg tatcttaacg      180
104 accgtaaaaa tctccaattt tcacaggtgg accacagcac cgttttcgca ggctacattt      240
106 cgaatcttcc tgggtgctac agtaaaccac ctgcaaaaat actcacggcg ccaaaaaaaaaa      300
108 tttccgccag ccccgcccc tccctattca aatcacaat cacaattct cacaattctc      360
110 atccaaaaac aaaatccaat ccaaaaatcc atacatcaac acaaagcatt ggattcaaat      420
112 ccacaacatc aattttacaag ttaacatcaa tcaacatgta agcttttaaa cgaaacgtcg      480
114 tcgtcgcccg caaactcctt tgcattgcggt gccgtgcgc ccccccctcc cctctgtccg      540
116 gatttgggag ggagggaggg aggtgtttgc cgccaccacc gccctcccct ctctctgtag      600
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| 134 | tttcacgcag | accacttaag | aggtccgcat | gcgaaaataa | aggtattttt | ttaggcagac | 1140 |
| 136 | ctcttaagt | gtccgcctgg | aaaaattgat | tttcacaagc | agatgacgaa | aattcacccc | 1200 |
| 138 | ggtttatatt | ttcgaagatg | cttcacgcac | gacatcgacc | gcgtcctcta | tgacggcaac | 1260 |
| 140 | gaccgcgtca | ccgacaacgg | catcgatcac | gtcatctacg | atgacaacga | ctgcatcaac | 1320 |
| 142 | tccgcatcac | tattgtgatg | actgttacat | ggcgtagaag | aaccaaccaa | agtgggtggc | 1380 |
| 144 | tcatcgccaa | cgacgtcctc | tgacatatgc | aagacgtccc | caatggcatc | ctcagacatc | 1440 |
| 146 | tacaagggtc | aagatgctaa | caattacagt | ttttgtcttc | acactgtggc | ataaatattt | 1500 |
| 148 | tttttcgcct | tccgctatat | tccgctacac | ctacaaccac | ggttactaca | tgatcggctc | 1560 |
| 150 | catcaacgaa | catctataac | aacaatcatt | gacggaaact | ccagtcaaga | gcgtctgtgt | 1620 |
| 152 | catcgctatc | ttccatgaca | ctcccgtat | gactacgtga | gggaatagag | gagagtcaag | 1680 |
| 154 | ggacgacacg | gaaggagacg | taggcaccag | gtggaggacc | gtccatcaaa | gatgcaattg | 1740 |
| 156 | atgatggtga | gttgaagaag | atgaagaaat | aaaagatttc | aaatccagtc | gcaatcgttc | 1800 |
| 158 | gcttcgctcc | cgttacgact | gagggggaat | gttagaagca | tagatatatt | aattggagat | 1860 |
| 160 | aagagtcata | caaatataga | gataagatat | catcctagag | atagaattct | atagataaaa | 1920 |
| 162 | tagagtccta | gagataaatc | tactcttact | tgtaccccta | tatatacccc | atgagaggat | 1980 |
| 164 | caatgcaata | caccgagaat | acaacaatta | gattttttta | cagttgtaac | tatgatacgt | 2040 |
| 166 | tgtaatatgc | tggatcgggg | aagagcgcgc | gtaatcagtg | ccccagagat | gtaggtctcg | 2100 |
| 168 | gctgaactcc | attatcaaat | accgtacctc | gggtgtgtca | tcatgtttga | atcttctatg | 2160 |
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| 172 | tagtgctgtg | acggcaatcg | gttgtgagaa | ttagctattc | gggtccctcc | atgtgatttt | 2280 |
| 174 | cttgtgattg | ggatgtatgg | taatgctagg | gttttaagg | gtaggattgg | tgcatgagag | 2340 |
| 176 | atcatcactt | cacttgatg | accttctctc | cttttatatt | tttttatcat | tctctccttt | 2400 |
| 178 | tttttataat | gctactgaac | tagtggaata | caggggacta | atgcaaaaata | aaagaaaagt | 2460 |
| 180 | atcactgggtc | acggcataca | atttagaaa | tgtgtgattt | aggcatagag | ctgaccacga | 2520 |
| 182 | ccctttacga | cttggctcgt | cggtttggtta | gacgatagat | caaccaacaa | aagctacgat | 2580 |
| 184 | acatgatgta | cgtgtcagga | tacaaatcct | tacaaataac | aacagttatt | gttcgataac | 2640 |
| 186 | ttttatcagt | tgtctaggct | taccaatgta | taatagaaga | tgaaaattcc | atattactgg | 2700 |
| 188 | tatcgataaa | tgctagtaac | tctttgagct | ttgtctagg | taaaaaaaaa | tatggatcca | 2760 |
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| 192 | aaaatgatgt | taccgtctac | ccgagctcct | actccgtacc | agcacaacca | aacgaacagt | 2880 |
| 194 | acccgcgggg | tcaggggcac | gttcgtaaat | ttccctcccg | tggctggctg | gctgccatct | 2940 |
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| 198 | agtcaaaacg | ccctctgcct | ccctcattg | cgccacacgc | acaccgcac | tagatccaga | 3060 |
| 200 | tcgaaaaaat | cgccatctcg | ccgagtcgcc | agtcgccgcc | tcaacgccgg | tcgccgtacc | 3120 |
| 202 | gccggcgctg | cacgcccccc | tccaagccgt | cgccccatcg | ccccagccg | cccggtgggtg | 3180 |
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| 214 | tcgctgctat | atttgttctt | ggactgtgga | gacttgctgt | cagtggtgtg | gttcagaatt | 3540 |
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| 222 | atatcaaaac | aattattgatg | ggtaagattg | cttgtgtact | tataacacat | atgcacaaaa | 3780 |
| 224 | atattgaata | tgtacatacc | tcgcaaatat | ctccaaattt | tatacatatg | agttgtgtaa | 3840 |
| 226 | atcgtgtgag | ttccatattg | tcattgtgat | atggagtatt | actgatgagc | ccatctatgg | 3900 |
| 228 | tgataatttt | ggaggttgta | gctcaacgaa | tttgtatttg | ctatgtatct | caacgttgat | 3960 |

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230 aagtcactac cacaaccatc ggcgaccttt ctcgggatcc aagcatgttg accccgccaa 4020
 232 cgtggcgctcg gtgcaggcca ccgagatgaa caccacgggg ctatgtgcct gtccagggtc 4080
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 240 agttgatcag gaattcaatc ctgcaccttg cggttacgtt tttcttctcc gcgggaaaag 4320
 242 caatcaccca tggtagggac aaagtgtgtg tgagaacgga ggccaggcca aagtgcgtgc 4380
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 304 15 20 25 30
 306 ccc gtg cag tgc tgc acg gtg tcc gca ccg tcc tcc tgc act ccg gcg 6147
 307 Pro Val Gln Ser Ser Thr Val Ser Ala Pro Ser Ser Ser Thr Pro Ala
 308 35 40 45
 310 gcg gac gag gcc gtg tgc gcg gag cgg ctg gag ccg cgg gtg gag cag 6195
 311 Ala Asp Glu Ala Val Ser Ala Glu Arg Leu Glu Pro Arg Val Glu Gln
 312 50 55 60
 314 cgg gag gcc cgg tac tgg gtg ctc aag gag aag tac cgg acg ggg ctg 6243
 315 Arg Glu Gly Arg Tyr Trp Val Leu Lys Glu Lys Tyr Arg Thr Gly Leu
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322 atg gag ggc ggc atc aag gag ctc gcc aag atg ccc atg gag gag atc      6339
323 Met Glu Gly Gly Ile Lys Glu Leu Ala Lys Met Pro Met Glu Glu Ile
324 95                      100                      105                      110
326 gag gcc gac aag ctc tcc aag gag gac atc gac gtg cgg ctc aag tgg      6387
327 Glu Ala Asp Lys Leu Ser Lys Glu Asp Ile Asp Val Arg Leu Lys Trp
328                      115                      120                      125
330 ctc ggc ctc ttc cac cgc cgc aag cat cag t gtatgcctct cttctcttgc      6438
331 Leu Gly Leu Phe His Arg Arg Lys His Gln
332                      130                      135
334 tcctctgatac aacacatttt cttgcttttcg ttccggttatt tgtcgcgcgcg aggaaggttaa      6498
336 ttccgccaaga tattctgcag ttttttttctc cgtatgcacat tcagcaacct aattaagact      6558
338 gattaagttg ctgtgatttt tatagcttaa ttacgggtctc gtgggtaatg actattttata      6618
340 ttgagtaaac atggttacct ttgatccaat cacttcacct ccatgtgccca tatatagcca      6678
342 caggctctac caagtaacac tagtaatatg cccgtgctac gacacgggtgg cataataaat      6738
344 cattaatttt tattataatc aaattaagga tcctaaaatt ggtccaattg ggtgttaatt      6798
346 cgatgcaggt catataaaaa tatatttttag gcaagggtgca attcaagagc atcaaccatt      6858
348 atatccaatc actttaatat atatttgaag ataacatatg tcggaaaaaaa aatgatggag      6918
350 agctattttca ttaacttgtg agcataaaca gatcaccaga tgatgccacc ataagtcccg      6978
352 ccacagtaag tgatgcagct catcttgccc taggcgttcg gtctaaccag tagatagaaa      7038
354 gagtacaaca tagatcgaat gaaaaaaaaa atctccagaa gaaagctcaa ccacattgag      7098
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392 caaaactttt gctagcgtaa gtaactcttc cacctcccag catgcataca accaacaagc      8238
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400 aaaagccaga aatgcaagaa gcttcctctaa ttgatacacc atcaagaaat caatggactc      8478
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404 tttcaacact gaattatata acctgaatat cttgttttgt taacacatct gacaaaatca      8598
406 gtgcattctg ttccatatag atgtatgcat agctcccata tgttagttga tcgatgagca      8658

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/566,593

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 4429,4479,4520,4555,4561,4563,4577,4578,4823,7186,11994

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:37 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:30
L:42 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:35
L:47 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:40
L:52 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:45
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:4380
M:341 Repeated in SeqNo=1
L:490 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:495 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 1
L:611 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:609
L:927 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:920
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L:937 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:935
L:1336 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:4
L:1340 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:4
L:1455 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:1453